

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A composition for livestock feed, comprising
a feed for livestock and
0.05 to 5% by weight per feed weight of an additive mixture, wherein said additive
mixture comprises at least two additives selected from the group consisting of (a), (b), and
(c):

(a) at least one of a nucleic acid, a nucleotide, a nucleoside; ~~nucleoside, glutamine~~

(b) glutamine; and

(c) glutamic acid; ~~and~~

wherein in said additive mixture, when present, the nucleic acid, nucleotide, or
nucleoside is added in an amount of 0.01 to 2.5% by weight per feed weight, when present,
the glutamine is added in an amount of 0.05 to 2.5% by weight per feed weight, and, when
present, the glutamic acid is added in an amount of 0.05 to 2.5% by weight per feed weight.

2. (Original) The composition according to claim 1, wherein the feed for livestock is
selected from the group consisting of a milk replacer, a pre-starter feed and a starter feed.

3. (Canceled)

~~3~~ (Original) A method for increasing body weight gain efficiency and feed efficiency
in livestock, comprising administering the composition for livestock feed of claim 1 to
livestock.

~~4~~ ³ (Original) The method according to claim ~~4~~, wherein the composition is
administered in the weaning period.

~~5~~ ⁶ (Previously Presented) The composition according to claim 1, wherein said
livestock is selected from the group consisting of a cattle, a swine, a chicken, a horse, a
turkey, a sheep, and a goat.

~~6~~ 7. (Previously Presented) The composition according to claim 1, wherein said nucleic acid is a deoxyribonucleic acid or a ribonucleic acid.

~~7~~ 8. (Previously Presented) The composition according to claim 1, wherein said nucleic acid, nucleotide, or nucleoside is selected from the group consisting of a polynucleotide, a nucleoside, a purine base, and a pyrimidine base.

~~8~~ 9. (Previously Presented) The composition according to claim 1, wherein said nucleic acid, nucleotide, or nucleoside is selected from the group consisting of an adenosine monophosphate, a guanosine monophosphate, cytidine monophosphate, a uridine monophosphate, a thymidine monophosphate, an inosine monophosphate, adenine, guanine, cytosine, uracil and thymine.

~~9~~ 10. (Previously Presented) The composition according to claim 1, wherein said feed is selected from the group consisting of a cereal, soybean meal, isolated soybean protein, isolated soybean oil, isolated soybean fat, skimmed milk, fish meal, meat meal, bone meal, blood meal, blood plasma protein, whey, rice bran, wheat bran, a sweetener, a mineral, a vitamin, salt, and grass.

~~10~~ 11. (Previously Presented) The composition according to claim 1, wherein said feed is a cereal.

~~11~~ 12. (Previously Presented) The composition according to claim ~~11~~¹⁰, wherein said cereal is selected from the group consisting of corn, barley, wheat, rye, sorghum, soybean, yellow powdered soybean.

~~12~~ 13. (Previously Presented) The method according to claim ~~4~~³, wherein the daily dose of the nucleic acid, nucleotide, or nucleoside ranges from 0.01 to 2.5 g/day per kg body weight of the animal.

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~~13~~₁₄. (Previously Presented) The method according to claim ~~4~~³, wherein the daily dose of the nucleic acid, nucleotide, or nucleoside ranges from 0.05 to 1.0 g/day per kg body weight of the animal.

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~~14~~₁₅. (Previously Presented) The method according to claim ~~4~~³, wherein the daily dose of the glutamine or glutamic acid ranges from 0.05 to 2.5 g/day per kg body weight of the animal.

³
~~15~~₁₆. (Previously Presented) The method according to claim ~~4~~³, wherein the daily dose of the glutamine or glutamic acid ranges from 0.5 to 2.0 g/day per kg body weight of the animal.

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~~16~~₁₇. (Previously Presented) The method according to claim ~~5~~⁴, wherein the daily dose of the nucleic acid, nucleotide, or nucleoside ranges from 0.01 to 2.5 g/day per kg body weight of the animal.

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~~17~~₁₈. (Previously Presented) The method according to claim ~~5~~⁴, wherein the daily dose of the nucleic acid, nucleotide, or nucleoside ranges from 0.05 to 1.0 g/day per kg body weight of the animal.

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~~18~~₁₉. (Previously Presented) The method according to claim ~~5~~⁴, wherein the daily dose of the glutamine or glutamic acid ranges from 0.05 to 2.5 g/day per kg body weight of the animal.

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~~19~~₂₀. (Previously Presented) The method according to claim ~~5~~⁴, wherein the daily dose of the glutamine or glutamic acid ranges from 0.5 to 2.0 g/day per kg body weight of the animal.

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Further to the Notice of Allowance mailed July 1, 2003

SUPPORT FOR THE AMENDMENT

Claim 1 has been amended.

The amendment of Claim 1 is supported by the original claims and specification as
filed.

No new matter is believed to have been added by these amendments.